- RILE ALGERS INVIES:

  1. ACCESS MUST BE WANTAMED TO ALL AFFECTED PROPERTIES AT ALL TIMES

  2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE INTEGRATY OF THE EXISTING
  RODOWAYS AND DRIEWAYS AT ALL TIMES. ANY DAMAGE TO THE EXISTING RODOWAYS
  AND DRIVEWAYS WUST BE REMEDIED IMMEDIATELY TO MAINTAIN ACCESS TO THE
  AFFECTED PROPERTIES

  3. ALL ACCESS THROUGH THE SAINT MICHAELS PROPERTY SHALL BE COORDINATED WITH
  PARISH PERSONNEL.

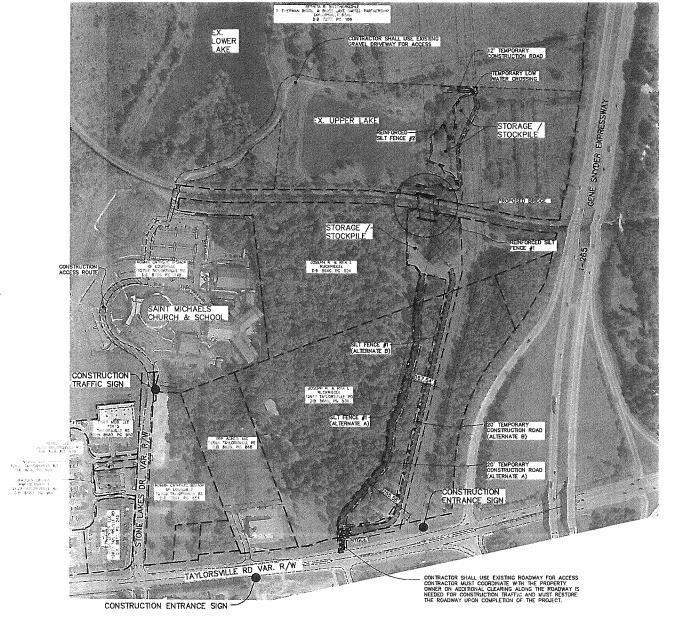
## GRADING NOTES:

- ALL DISTURBED AREAS AROUND THE BRIDGE ABUTMENTS MUST BE GRADED TO MATCH THE PRE-CONSTRUCTION DRAINAGE PATTERNS ON THE UPINE, SIDE OF SHE ABUTMENTS, THE CONTRACTOR MUST INSTALL A DRAINAGE SAALE TO BRING THE WATER AROUND THE ABUTMENTS, THE CONTRACTOR MUST PROVIDE PROBLEM TO MATCH THE PRE-CONSTRUCTION DRAINAGE. THE CONTRACTOR MUST PROPRISE POSTING TRAINAGE, THAT AND PONDING AREAS ARE

#### PHASING SEQUENCE

- PHASING SEQUENCE

  1. THE SITE WILL BE ACKYSMAN ACCESS TO THE PROPERTY OWNERS AT ALL MIST AND WILL BE RESPONDED FOR ACCESSION AS SHOWN ON SHEET I OF THIS SCAN SET, THE CONTRACTION WILL BE RESPONDED FOR ACCESS TO THE PROPERTY OWNERS AT ALL MIST AND WILL BE RESPONDED FOR ACCESS TO THE PROPERTY OWNERS AT ALL MIST AND WILL BE RESPONDED FOR THE CONTRACTION BY THE CONTRACTION FOR THE CONTRACTION WILL BE SET ACCESS TO CONTRACTION FOR THE CONTRACTION OF THE EXCEPTION OF THE CONTRACTION FOR ACCESS TO ACCESS TO





LOCATION MAP

Sylvania Sylvania OWNER/DEVELOPER
LOUISVILLE METRO
PUBLIC WORKS
444 S. FIFTH STREET
LOUISVILLE, KY. 40202

Mindel, Scott & Associates, In
Planting Engineering Surveying Landscape Architec
Utilite Cotabilities Property Management
NINIMERAL SCOTT STREET STREET

LEGEND

EXISTING FENCE EXISTING STREET SIGN EXISTING RAILROAD TRACKS CX 6 EXISTING GAS

EXISTING OVERHEAD TRANSMISSION LINES EXISTING TRANSMISSION TOWER EXISTING LIGHT POLE PROPOSED DITCH/SWALE

SF SF SILT FENCE (TO BE USED AS TREE PROTECTION FENCE) RSF REINFORCED SILT FENCE TO B
CONSTRUCTION ACCESS LIMIT REINFORCED SILT FENCE TO BE USED AS TREE PROTECTION FENCE)

- LIMIT OF DISTURBANCE TREES TO BE CLEARED

AREA OF DISTURBANCE: 6.65 ACRES

### IPA/IPCA NOTES:

TREE PRESERVATION AREAS (IPAN) IDENTIFIED ON THIS PLAN REPRESENT PORTIONS OF THE STEEL THE PRESERVENCE MAS DESIGNATED OF DELETH MADSTRIBED DUPING ARE NOT PERSONALLY PRESERVATION AREAS. THE STEEL THE PRESERVENCE OF THE PRESERVENCE OF THE PRESERVENCE OF THE PRESERVENCE OF THE STEEL THE STEEL THE STEEL THE STEEL THE STEEL THE STEEL THE AREAS MAD THE RESERVENCE OF THE PRESERVENCE OF THE STEEL THE STEEL THE AREAS MAD THE PRESERVENCE OF THE STEEL THE STEEL THE AREAS MAD THE PRESERVENCE OF THE STEEL THE STEE

REJORD DURING CONSTRUCTION OF HOMES OR BUILDINGS ON THIS SITE.

TREE PROTECTION FENCING SHALL BE ERECTED ADJACENT TO ALL TRAE PRIOR TO SEE DISTURBANCE APPROVAL (CLEARING & GRADING PERMIT) TO PROTECT THE SECURING SHALL BE LOCATED ASSESSED ASSESSED

S-HOULD FOLLOW PROPOSED ROADWAY CENTERLINES AND SHOULD NOT RESULT IN A CLEAR ACCESS WAY OF MORE THAN TIMENTY (20) FEET IN MUDTH. CLEARED ACCESS. WAYS BEYOND PROPOSED ROADWAYS TO ACCESS INDIVIDUAL LOTS SHALL NOT EXCELT THELVE (12) FEET IN WIDTH OR ENCORACH INTO ANY PROPOSED OPEN SPACE LOTS. NO TREES EXCEEDING IGHT (8) INCHES IN DIAMETER MEASURED AT BREATH HEIGHT (10HIS) HALL BE REMOVED WITHOUT PRIOR APPROVALE BY DPOS DUMMS ALL CONSTRUCTION ACTIVITY (INCLUDES CLEARING, GRADING, BUILDING CONSTRUCTION, AND WAA CONSTRUCTION) A COPY OF THE APPROVED TREE PRESERVATION PLAN SHALL BE ON-SITE.

### CONSTRUCTION SIGNAGE NOTE

THE CONTRACTOR MUST COORDINATE WITH THE METRO PUBLIC WORKS FOR FINAL SIGN LOCATIONS AND WORDING.



Revisions

ELYSEO PER ABJUNINE
CREWIND PER ASPACY COL
CREWIND PROFILE & CHOSS
REVISIO PROFILE & CHOSS
REVISIO PER PER COLOURS
REVISIO PER PER COLOURS 7,710,715 8,710,715 11,712,715 2,75,718 2,75,718 GRAPHIC SCALE 1"=200"

PRESERVATION PLAN - RAILROAD BRIDGE

TREE

GRADING,

CORRIDOR ઝ

URTON LANE ARING,

AN

zontal Scale: 1"=200

Sheet

Date: 7/8/15

AUSTINA 26157 26157 OF HOENEY

2126716 PROFESSIONAL ENGINEER'S SEA

AUSTINA CO

MSD WM #11228

15LSCAPE1118

Job Number 2750

STORMWATER POLLUTION PREVENTION PLAN NOTE: (LOUISVILLE METRO)

THE APPROVED STORMMATER POLLUTION PREVENTION PLAN (SWPPP) SHARE BE IMPLEMENTED PRIOR TO ANY LAND. DISTURBING ACTIVITY ON THE CONSTRUCTION SIZE. ANY MODIFICATION TO THE APPROVED SWPP PLAN BESTED OF REVENTION AND APPROVED BY MISS. SWPP BURPS (SEST MANAGEMENT PRACTICES) SHALL BE INSTALLED PER THE PLAN AND MISS STANCARES.

DETENTION BASING IT APPLICABLE, WHALL BE CONSTRUCTED FIRST AND SHALL PURFORM AS SECURENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS AND SEEDED AND

ACTIONS MUST BY TAKEN TO MINIMARY THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROMOWAYS. SIN. TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAMLY SON STOOMPHON THANK SE LOCATER AWAY FROM STREAMS, PONDS SWALES, AND CATCH BASING STOOMPHES SHALL SE SEEDED, WALLED AND ADEQUATELY CONTAINED THROUGH THE USE OF SET FINAT.

ALL STREAM CROSSINGS MUST UBUSE LOW-WATER CROSSING STRUCTURES PER MISS STANSBAFE DRAWING ER-CC.

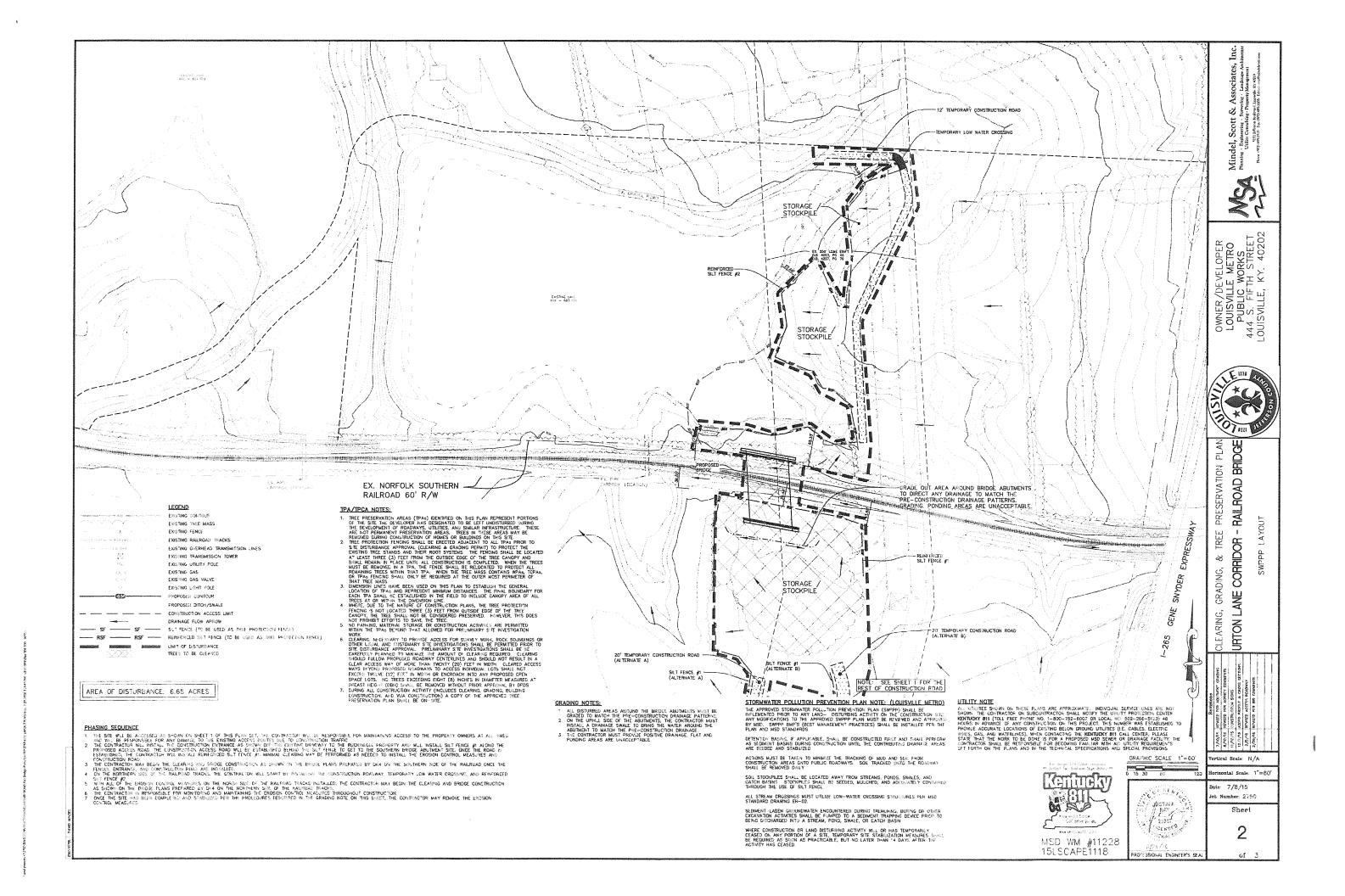
SEDMENT-LAISH GROUNDWATER ENCORPORED FURNING THENCHING BERNOS OR OTHER ENCORATION ACTIVITIES SHALL BE FURNED TO A SEDMENT TRAPPING DEVICE PROFE TO DEVICE DISCHARGED MICE A STEWAM, POSTO, SWALL, OR CATCH MASSE.

WHERE CONSTRUCTION OR LANG DISTURBING ACTIVITY MILL OR HAS TEMPORABLLY CLASED ON ANY PORTION OF A 57ST, TEMPORARY STU, STABLIZATION MEASURES SHAPE BY RECURRED AS SOCIETAS PACCIOARLE BUT NO LATER THAN 14 LANG STEEN THE ADMITT HAS CRASED.

UTILITY NOTE

UTILITY NOTE

ALL LITERIES SHOWN ON THESE PLANS ARE APPROXIMATE. PROMODULE SERVICE LINES ARE
NOT SHOWN THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTEY THE LITELITY PROTECTION
CRIVER REPRIZEY BY 1 (TOLL FREE PHONE NO. 1-8001—752—6007 OR LOCAL NO.
SOZ-266-5122) 48 HOURS BY ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT THE
NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF DOWNING BELOW GROUND.
UTILITIES IF CABLES, ELLE PROVIDE ACCURATE LOCATIONS OF DOWNING BELOW GROUND.
UTILITIES OF CABLES, THE PROPERTY OF THE WASHINGTON OF CONTRACTING THE
PROPOSED MISS SEMEN OR EXAMINED THE WASHINGTON OF CONTRACTING THE
PROPOSED MISS SEMEN OR EXAMINED THE WASHINGTON OF THE PLANS AND IN THE
TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS



STORMWATER POLLUTION PREVENTION MAINTENANCE SCHEDULE ALL BMP'S NEED TO BE MAINTAINED EVERY SEVEN (7) DAYS. AFTER EVERY STORM EVENT THAT EQUALS OR EXCEEDS 1/2 MICH PRECIPITATION, OR AFTER HEAVY USE.

- EVENT THAT EQUALS OR EXCEEDS 1/2 MICH PRECIPITATION, OR AFTER HEAVY USE TEMPORARY CONSTRUCTION, ENTRANCE.

  1. CHECK FOR MUD AND SEDIMENT BUILDUF AND PAD INTEGRITY.

  2. MAKE DALY INSPECTIONS DURING WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET CONDITIONS.

  3. RESHARP FAD AS NEEDED FOR DEARNOSE AND RUNDFY CONTROL.

  4. WASH OR REPLACE STONE AS NEEDED AND AS DIRECTED BY THE INSPECTOR. PHE STONE IN THE STITMANCE SWOULD BE WASHED OR REPLACE WHICHVEY THE FREQUENT WASHING. WILL EXTEND THE USEFUL LIFE OF THE STONE.

  FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF THE STONE.

  INMEDIATELY REMON'S MULL EXTEND THE USEFUL LIFE OF THE STONE.

  ROADS BY BRUSHING ON SWEEPING. REPAIR ANY BROKEN PAYEMENT.
- IMMEDIATELY,
  REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOOM AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.

- CONGER NEEDEL TO PROVIDE ACCESS TO THE STE.

  1. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

  2. SEDMENT MUST BE REMOVED WHEN IT REACHES APPROXIMATELY Y/3 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED. WHEN CLEANING OUT SEDMENT AND OUTDERWINNES OR DAMAGING THE FENCE WHEN CLEANING OUTSEDMENT OF THE PROPERTY BUT'S APE NO LENGER THAT STABLUZATION IS ACHIEVED OR AFTER TEMPORANY BUT'S ARE NO LENGER REDULT HARPED SCIDILET SHOULD BE REMOVED OR STABLUZATION OF STABLUZATION OF

- SILT FENCE:

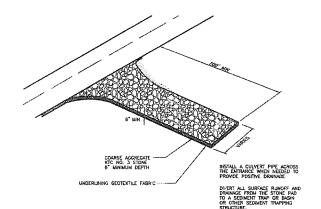
  1. REMOVE SCHMENT FROM THE UP-SLOPE FACE OF THE FENCE BETONL IS ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE.

  2. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INSEPTECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

  3. TAME CARE TO AND UNDERMINING OR DAMAGING THE FENCE WHEN CLEANING OUT SCHMENT FENCE AFTER TS CONTRIBUTIVE DEFAUNCE AFEA HAS SECTION OF THE APPROPRIATE THE DISTRIBUTION DEFAUNCE AFEA HAS SECTION OF THE APPROPRIATE FERNIAMENT STABILIZATION METHOD.

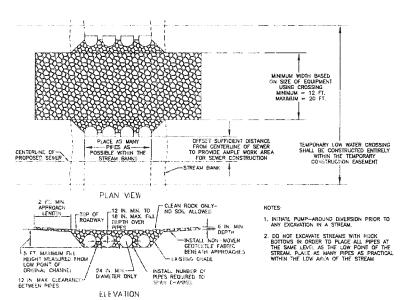
- TEMPORARY STREAM LOW WATER CROSSING CONCOUNTED THE STRUCTURE INTECRITY AND FOR EXCESSIVE SEDIMENT DEPOSITION, AND REFLACE PLAN, STOKE AS REEDED.

  2. CLEAN MUD AND/OR SEDIMENT FROM THE ROADWAY AND DO NOT ALLOW IT TO ENTITE THE STREAM.
- ENTER THE STREAM
  THE STREAM ALL BE REMOVED WHEN IT IS NO LONGER REQUIRED TO
  PROVIDE ACCESS FAME BY STANDARD AREA DURING REMOVAL LEAVE STONE
  APPROACHES IN PLACE PLACE FALL OWER THE APPROACHES AS PART OF THE
  STREAM BANK RESTORATION OPERATION.
  A TEMPORATY COLVERT CROSSING WHOLD BE IN PLACE IN 100 LONGER THAN 24
  A TEMPORATY COLVERT CROSSING WHOLD BE IN PLACE IN 100 LONGER THAN 24
  A TEMPORATY COLVERT CROSSING WHOLD BE IN PLACE IN 100 LONGER THAN 24



# STABILIZED CONSTRUCTION ENTRANCE

NO SCALE



PRIOR TO CONSTRUCTION A TEMPORARY STREAM CROSSING, THE OWNER/PERSON FINANCIALLY RESPONSBLE FOR THE PROJECT MUST SUBMIT AN APPLICATION OF PERMIT TO CONSTRUCT AGRESS OR ALONG A STREAM TO THE KENTICKY DIMSON OF WATER (KDOW). TEMPORARY STREAM CROSSING SEQUIRE A SECTION 404 PERMITFROM THE CORPS OF ENGREEDS. IF THE CROSSING CREATES MORE THAN DEPORT OF ENGREEDS. IF THE CROSSING CREATES MORE THAN DEPORT OF THE LINEAR FEET OF FILL OR MORE THAN % ACRE OF FILL, A 401 PERMIT MAY BE NECESSARY.

### INSTALLATION:

CROSSINGS SHALL BE INSTALLED PRIOR TO ANY OTHER ACTIVITIES WITHIN THE STREAM.

THE TEMPORARY WATERWAY CROSSING SHALL BE AT RIGHT ANGLES TO THE STREAM. WHERE APPROACH COMDITIONS DICTATE, THE CROSSING MAY VARY IS DECREES FROM A LINE DRAWN PERPENDICULAR TO THE CENTRELINE OF THE STREAM AT THE INTENDED CROSSING LOCATION. HOWEVER EXERY EFFORT SHALL BE TAKEN TO INSTALL THE CROSSING PERPENDICULAR TO THE STREAM ALL PLIL MATERIALS ASSOCIATED WITH THE ROADWAY APPROACH SHALL BE LIMITED TO A MAXIMUM HIGHER TEATH AND THE EXISTING FLOOD PLAIN.

STREAM BANK CLEARING SHALL BE KEPT TO A MINMUM, DO NOT EXCAVAITE ROCK BOTTOM STREAM BIDDS TO INSTALL THE CROSSING, PLACE GEOTEXTILE FABRIC DIRECTLY ON STREAM BID PRIOR TO PLACING PIPES AND STONE, LAY THE CULVERT PIPE ON THE STREAM BID "AS IS" WHEN APPLICABLE PLACE AS MANY PIPES AS POSSIBLE WHITIN THE LOW AREA OF THE STREAM.

THE MAXIMUM NUMBER OF PIPES POSSIBLE SHOULD BE PLACED WITHIN THE STREAM BANKS WITH A MAXIMUM SPACING OF 12-INCHES BETWEEN PIPES. THE PIPE CULVERY SHALL BE 24-INCHES

THE LENGTH OF THE CULVERT SHALL BE ADEQUATE TO EXTEND THE FULL WIOTH OF THE CROSSING, INCLUDING SIDE SLOPES.

COARSE ACCIOUGATE WITH KIC NO. 3 STONE OR GREATER WILL BE USED TO FORM THE CROSSING THE DEPTH OF STONE COVER THE CULVERT SHALL BE EQUAL TO STONE COVER THE CULVERT OR 12-INCHES, WHICHEVER IS GREATER BUT NO GREATER THAN 18-BUCHES.

ALL FILL MATERIALS ASSOCIATED WITH THE ROADWAY APPROACH SHALL BE LIMITED TO A MAXIMUM HEIGHT OF 2-FEET ABOVE THE EXISTING FLOOD PLAIN ELEVATION.

THE APPROACHED TO THE STRUCTURE SHALL CONSIST OF CLEAN STONE OR CONCRETE FILL ONLY WITH A MAINING THICKNESS OF SHORES. THE MININGW APPROACH LENGTH SHALL BE ZO-FEET AND THE MIDTH SHALL BE EQUAL TO THE STRUCTURE.

## INSPECTION AND MAINTENANCE:

INSPECT CROSSINGS EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAMPAIL EVENT THAT PRODUCES & INCHES OR MORE OF PRECIPITATION, CHECK THE STRUCTURE INTEGRITY AND FOR EXCESSIVE SEDIMENT DEPOSITION AND REPLACE FILL STONE AS NEEDED.

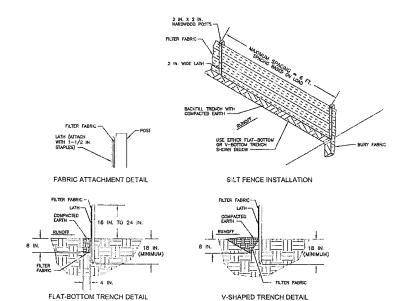
CHEAN MUD AND/ OR SEDIMENT FROM THE ROADWAY AND DO NOT ALLOW IT TO ENTER THE STREAM.

THE STRUCTURE SHALL BE REMOVED WHEN IT IS NO LONGER REQUIRED TO PREMIDE ACCESS TO THE CONSTRUCTION AREA DURING REMOVAL, LEAVE STONE AND GEOTEXTILE FARRIC FOR APPROACHES IN PLACE, PLACE FILL OVER THE APPROACHES AS PART OF THE STREAM APRIA RESTORATION OPERATION.

A TEMPORARY CULVERT CROSSING SHOULD BE IN PLACE NO LONGER THAN 24

FABRIC ATTACHMENT SEE DETAIL FARRIC ATTACHMENT DETAIL SILT FENCE INSTALLATION FILTER FABRIC WIRE TIE COMPACTED RUNOFF RUNOFF FILTER TABRIC FLAT-BOTTOM TRENCH DETAIL V-SHAPED TRENCH DETAIL

# REINFORCED SILT FENCE



SILT FENCE NO SCALE





PROFESSIONAL ENGINEER'S SEAL

Mindel, Scott & Associates, Inc. Planting: Engineering: Surveiting: Landscape Architherure Utility Consulting: Property Management 1511 (2012) (2012) (2012) (2012) (2012) (2012) (2012) (2012) (2012) (2012) (2012) (2012)

OWNER/DEVELOPER LOUISVILLE METRO PUBLIC WORKS 444 S. FIFTH STREET LCUISVILLE, KY. 40202

BAIDGE PRESERVATION RAILROAD I

જ

GRADING,

DETAILS CORRIDOR

URTON

tical Scale: N/A ontal Scale: N/A

Date: 7/8/15 Number: 2750

Sheet

3

TEMPORARY LOW WATER CROSSING ER-02-03

CONSTRUCTION ROAD STABILIZATION